OP9. SYNTHESIS OF DERIVATIVES OF 1-ARYL TETRAHYDROISOQUINOLINE ALKALOIDS AND THEIRBIOLOGICAL ACTIVITY

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Among the nitrogenous heterocycles, isoquinoline compounds are among the most important and biologically interesting. Of particular interest among isoquinolines is a small group of 1aryltetrahydroisoquinolines that exhibit sedative-anxiolytic, neuroleptic, cardioprotective, antiarrhythmic, anti-inflammatory, etc. effects. Cytotoxic activity of 1aryltetrahydroisoquinoline derivatives against laryngeal cancer and cervical carcinoma was also revealed. The groups responsible for the manifestation of the biological properties of synthesized substances according to the scheme are determined:

